

ABSTRACT

5 The invention provides a method for two-dimensional
evaluation of the nature of horny layer oxidized protein
on a horny layer, the method comprising specific
fluorescent labeling of the carbonyl groups of the
oxidized protein in a horny layer specimen taken from
skin, and detection of the fluorescence for evaluation,
as well as a kit used to carry out the method and a
10 method for screening of agents which inhibit increase in
oxidized protein. The invention further provides a
method for detecting the oxidized form of a cornified
envelope consisting of the water-insoluble substances in
a skin-derived horny layer specimen, the method
15 comprising specific fluorescent labeling of the carbonyl
groups in a cornified envelope in the oxidized form and
detection of the fluorescence thereof for evaluation.